

FS 2.60/4:12/50

# Morbidity and Mortality

Weekly  
Report

## U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

634-5131

For release December 20, 1963

ATLANTA, GEORGIA 30333

Vol. 12, No. 50

### PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 14, 1963

**PLAGUE** — One case of plague was reported for the week ended December 14. The case, fatal, was reported from Arizona. No additional cases are known or suspected. (See Epidemiological Report, page 423.)

This is the first case of plague reported in the United during 1963. It is also the first case since July and August 1961, when 3 cases were reported from New Mexico.

In the past 30 years, 36 cases of plague have been officially reported in the United States. California has reported 15, New Mexico 12, and Arizona 2 of these cases. (See table, page 423.)

**DIPHTHERIA** — A total of 21 cases of diphtheria were reported for the week ended December 14. This brings the

cumulative total to 281 cases thus far in 1963 and represents the lowest number of diphtheria cases ever recorded for the country. For a comparable period in 1962, 444 cases were reported.

Of this week's cases, 13 were reported from Oklahoma. All 13 cases occurred in Adair County, and had onsets from late October through early December. An epidemiologic report is included in this issue on page 422.

Oklahoma thus far in 1963 has reported a total of 20 cases of diphtheria, which makes it third highest in the nation. Louisiana has reported 33 cases (12 percent of the national total), Florida has reported 24 cases (9 percent.) Oklahoma's 20 cases account for 7 percent of the national total.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	50th Week			Cumulative		
	Ended	Ended	Median	First 50 weeks		
	December 14, 1963	December 15, 1962	1958 - 1962	1963	1962	Median 1958 - 1962
Aseptic meningitis.....	30	34	---	1,772	2,475	---
Brucellosis .....	4	12	12	344	388	710
Diphtheria .....	21	12	21	281	444	809
Encephalitis, infectious.....	29	20	27	1,492	1,752	1,751
Hepatitis, infectious and serum...	857	945	945	41,376	51,604	38,361
Measles.....	3,440	3,939	4,348	380,772	468,768	421,463
Meningococcal infections.....	45	39	46	2,251	2,048	2,176
Poliomyelitis, total.....	5	6	39	422	862	3,213
Paralytic.....	3	5	24	358	683	2,225
Nonparalytic.....	2	1	7	46	126	644
Unspecified.....	-	-	8	18	53	344
Streptococcal sore throat and Scarlet fever .....	8,232	6,698	---	325,372	300,236	---
Tetanus .....	4	10	---	270	288	---
Tularemia .....	5	11	---	277	291	---
Typhoid fever.....	5	6	13	517	611	798
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	-	---	176	214	---
Rabies in Animals .....	51	45	53	3,589	3,470	3,470

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum.	Psittacosis:	Cum.
Botulism:	4	Rabies in Man:	79
Malaria: N.C. - 1, Calif. - 1	41	Smallpox:	1
Plague: Ariz. - 1	103	Typhus, murine:	-
	1		27

DIPHTHERIA - ADAIR COUNTY, OKLAHOMA  
1963

CASE NO.	ONSET	AGE	SEX	RACE	SCHOOL	CLINICAL CHARACTERISTICS	TREATMENT	IMMUNIZATION STATUS	COMMENT
Family A 1	10/26	13	F	W	A	Severe sore throat, polotol porolysis, cordioc orrhythmio	Penicillin	0	Died Nov. 6
Family B 2	11/6	11	F	W	A	Tonsillitis, responded to antibiotic	Penicillin	Inodequate	Classmate Case #1
3	11/9	5	F	W	Pre-school	Pharyngitis, myocorditis	Penicillin Achromycin	0	Died Nov. 22
4	11/12	7	M	W	A	Pharyngitis, responded to antibiotic	Penicillin	0	
5	11/27	3	M	W	Pre-school	Pharyngitis	Penicillin ond ontitoxin	0	
6	12/3	8	M	W	A	Membronus pharyngitis	Penicillin ond ontitoxin	0	
7	12/6	3	M	W	Pre-school	Pharyngitis	Penicillin ond ontitoxin	0	Cousin Cases 2-6
Family C 8	12/1	13	M	W	No school	Membronus pharyngitis	Penicillin ond ontitoxin	Inodequate	Mongolism
Family D 9	12/2	6	M	W	B	Pharyngotrocheitis with obstruction	Penicillin ond ontitoxin	0	
10	12/3	10	M	W	B	Membronus pharyngitis	Penicillin ond ontitoxin	0	
Family E 11	12/2	8	F	W	B	Membronus pharyngitis	Penicillin ond ontitoxin	0	
Family F 12	12/5	32	F	W	No school	Membronus pharyngitis, polotol porolysis	Penicillin ond ontitoxin	0	
Family G 13	12/7	14	M	W	No school	Dysphogio, tonsillor exudate	Penicillin ond ontitoxin	0	

## EPIDEMIOLOGICAL REPORTS

## Diphtheria - Oklahoma

An epidemic of diphtheria, with 13 clinical cases, including 2 deaths, occurred in Adair County, Oklahoma, between late October and early December. An additional 12 carriers were discovered in the course of investigation.

The epidemic was discovered when 2 brothers (Cases 5 and 6) were hospitalized in Arkansas with membranous pharyngitis in early December. Diphtheria was suspected clinically, and confirmed by culture. Then, it was learned that an older sister (Case 3) had experienced a sore throat in early November. She was treated with penicillin; the pharyngitis appeared improved. Three days later, however, she developed cardiac failure. She died 13 days after the onset of her illness. An autopsy was not performed. Diphtheria was not suspected.

A physician remembered a 13-year-old girl (Case No. 1) whom he had treated with penicillin for a severe sore throat in late October. Cultures, taken prior to antibiotic therapy, were interpreted as growing normal flora; cultures were not taken specifically for diphtheria. Despite antibiotic therapy for 6 days, she developed nasal regurgitation and a cardiac arrhythmia. She died 11 days after the onset of symptoms.

These 2 fatal cases had attended the same school,

where a D-P-T immunization drive had been held during the fall. A 90 percent response of school age children resulted; the 2 girls were among the 10 percent not receiving vaccine.

After the first case in Family B was recognized, a nurse went to the home to immunize the remaining family members.

Intensive investigations by health department authorities have subsequently revealed 9 additional cases, all but two of whom thus far can be traced to direct or indirect contact with recognized cases. Notably, 6 of the 13 cases occurred in a family of 13 children. Of the 13 cases, 11 had not received primary immunization; 2 were inadequately immunized (no booster dose within the past 4 years).

Oklahoma Public Health officials cultured all students at the 2 schools and all known contacts. Of 12 carriers detected, most were siblings or close contacts of the known cases.

A county-wide immunization program was held when the epidemic was recognized. Approximately 7,000 of the county's 13,000 residents responded.

(Reported by Dr. Kirk T. Mosley, Commissioner of Health, Oklahoma State Department of Health, and an EIS Officer.)

## REPORTED CASES OF PLAGUE - UNITED STATES - 1933-1963

Year	Total United States	Arizona	California	Idaho	Maryland	Nevada	New Mexico	Oregon	Texas	Utah
1963	1	1								
1961	3						3			
1960	2						2			
1959	4		2		1		1			
1957	1								1	
1956	1		1							
1951	1						1			
1950	3	1					2			
1949	3						3			
1947	1		1							
1944	1		1							
1943	1		1							
1942	1		1							
1941	2		2							
1940	1			1						
1939	1									1
1937	2		1			1				
1936	4		3							1
1934	2		1					1		
1933	1		1							
Total	36	2	15	1	1	1	12	1	1	2

In the past 30 years, 36 cases of plague have been officially reported in the United States.

All of New Mexico's 12 cases have occurred since 1949, and account for 63 percent of the nation's total of 19 cases during the past 15 years.

## Plague - Arizona

The case of bubonic plague reported for the week ended December 14 occurred in a 28-year-old male, Indian shepherd, who resided in Houck, Arizona. He died in the Gallup, New Mexico, Indian hospital, December 7.

On December 1, the patient had killed and skinned a wild rabbit near his home in eastern Arizona. He fed the rabbit to his dog. Four days later, he experienced the onset of fever, malaise, and generalized toxicity. He was admitted to the Gallup Indian Hospital on December 7. On admission to the hospital, a large node, believed to be a bubo clinically, was discovered in his left axilla. He died 5 hours after admission.

Blood cultures taken both before and after death have

yielded *Pasteurella pestis*. Mice, which had been injected with his blood samples, died quickly. The diagnosis was confirmed by fluorescent antibody study, agglutinations and hemorrhagic lesions in guinea pigs considered typical for *P. pestis*, at the U. S. Public Health Service Plague Laboratory in San Francisco. *P. pestis* has been confirmed on culture at the New Mexico Public Health Laboratory.

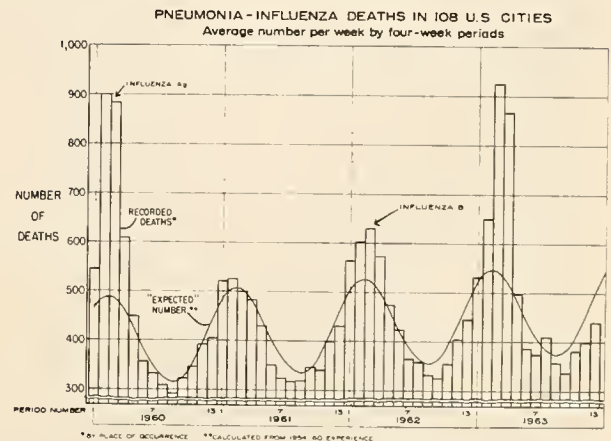
There are no additional cases of suspected plague in Arizona. Further field investigations are in progress. (Reported by Dr. Lloyd M. Farner, Commissioner of Public Health, Arizona State Department of Health; Dr. Leo D. Okane, New Mexico Public Health Laboratory; and the CDC Plague Laboratory, San Francisco.)

## SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending December 14 was 439 as compared with an expected weekly average of 502.

## PNEUMONIA-INFLUENZA DEATHS IN 108 CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	11/23	11/30	12/7	12/14		
Observed	416	368	469	504	1757	439
Expected	484	496	508	519	2007	502
Excess	-68	-128	-39	-15	-250	-63



(See Table, page 427)

## Morbidity and Mortality Weekly Report

Table 5. CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES  
FOR WEEKS ENDING  
DECEMBER 14, 1963 AND DECEMBER 15, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	50th week		Cumulative First 50 weeks		50th week		Cumulative First 50 weeks		50th week		50th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	5	6	422	862	3	5	358	683	2	1	30	34
NEW ENGLAND.....	-	-	8	9	-	-	8	8	-	-	1	-
Maine.....	-	-	2	-	-	-	2	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	1	1	-	-	1	-	-	-	-	-
Massachusetts.....	-	-	3	7	-	-	3	7	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut.....	-	-	2	1	-	-	2	1	-	-	-	-
MIDDLE ATLANTIC.....	-	1	118	84	-	1	94	62	-	-	2	3
New York.....	-	1	11	61	-	1	7	42	-	-	2	3
New Jersey.....	-	-	4	9	-	-	3	9	-	-	-	-
Pennsylvania.....	-	-	103	14	-	-	84	11	-	-	-	-
EAST NORTH CENTRAL.....	-	1	58	135	-	1	47	102	-	-	5	-
Ohio.....	-	-	8	20	-	-	4	18	-	-	2	-
Indiana.....	-	-	4	23	-	-	3	18	-	-	-	-
Illinois.....	-	-	17	59	-	-	16	42	-	-	2	-
Michigan.....	-	-	20	21	-	-	20	17	-	-	1	-
Wisconsin.....	-	1	9	12	-	1	4	7	-	-	-	-
WEST NORTH CENTRAL.....	1	-	8	38	-	-	6	27	1	-	1	2
Minnesota.....	-	-	4	7	-	-	4	7	-	-	1	1
Iowa.....	-	-	-	7	-	-	-	3	-	-	-	-
Missouri.....	1	-	1	10	-	-	-	5	1	-	-	-
North Dakota.....	-	-	1	5	-	-	-	3	-	-	-	-
South Dakota.....	-	-	1	1	-	-	1	1	-	-	-	-
Nebraska.....	-	-	1	8	-	-	1	8	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC.....	2	-	101	76	2	-	86	66	-	-	1	4
Delaware.....	-	-	1	-	-	-	1	-	-	-	-	2
Maryland.....	-	-	3	2	-	-	1	1	-	-	-	-
District of Columbia..	-	-	1	2	-	-	-	1	-	-	-	-
Virginia.....	-	-	21	8	-	-	16	8	-	-	-	-
West Virginia.....	1	-	4	17	1	-	4	17	-	-	-	-
North Carolina.....	-	-	5	13	-	-	4	11	-	-	-	-
South Carolina.....	-	-	8	6	-	-	7	6	-	-	-	-
Georgia.....	1	-	22	17	1	-	21	14	-	-	-	-
Florida.....	-	-	36	11	-	-	32	8	-	-	1	2
EAST SOUTH CENTRAL.....	-	-	73	80	-	-	67	67	-	-	1	7
Kentucky.....	-	-	-	29	-	-	-	23	-	-	1	3
Tennessee.....	-	-	11	12	-	-	10	6	-	-	-	-
Alabama.....	-	-	53	22	-	-	48	22	-	-	-	3
Mississippi.....	-	-	9	17	-	-	9	16	-	-	-	1
WEST SOUTH CENTRAL.....	-	4	27	329	-	3	26	253	-	1	2	1
Arkansas.....	-	-	5	22	-	-	4	19	-	-	-	-
Louisiana.....	-	2	14	30	-	2	14	27	-	-	-	-
Oklahoma.....	-	1	1	32	-	1	1	23	-	-	2	-
Texas.....	-	1	7	245	-	-	7	184	-	1	-	1
MOUNTAIN.....	2	-	7	20	1	-	5	15	1	-	4	3
Montana.....	-	-	-	4	-	-	-	3	-	-	-	-
Idaho.....	-	-	1	2	-	-	1	1	-	-	-	-
Wyoming.....	-	-	-	2	-	-	-	1	-	-	-	-
Colorado.....	1	-	1	4	-	-	-	3	1	-	4	3
New Mexico.....	-	-	1	2	-	-	-	2	-	-	-	-
Arizona.....	-	-	3	4	-	-	3	3	-	-	-	-
Utah.....	-	-	-	2	-	-	-	2	-	-	-	-
Nevada.....	1	-	1	-	1	-	1	-	-	-	-	-
PACIFIC.....	-	-	22	91	-	-	19	83	-	-	13	14
Washington.....	-	-	2	5	-	-	2	5	-	-	1	1
Oregon.....	-	-	2	7	-	-	1	5	-	-	-	-
California.....	-	-	18	79	-	-	16	73	-	-	11	13
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	1	-
Puerto Rico.....	-	-	5	12	-	-	4	12	-	-	-	-



## Morbidity and Mortality Weekly Report

425

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 14, 1963 AND DECEMBER 15, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	50th week	Cumulative 50 weeks	50th week	Cumulative 50 weeks	50th week		50th week			50th week		
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	4	344	21	281	29	20	424	372	857	945	3,440	3,939
NEW ENGLAND.....	-	1	-	8	4	-	83	56	140	128	157	127
Maine.....	-	-	-	-	-	-	30	27	57	62	3	13
New Hampshire.....	-	-	-	-	-	-	20	3	24	1	-	4
Vermont.....	-	1	-	-	-	-	7	8	15	2	64	4
Massachusetts.....	-	-	-	6	1	-	10	11	21	54	34	28
Rhode Island.....	-	-	-	2	2	-	4	2	6	2	3	13
Connecticut.....	-	-	-	-	1	-	12	5	17	7	53	60
MIDDLE ATLANTIC.....	-	8	-	24	10	7	80	101	181	205	714	533
New York.....	-	4	-	13	8	4	47	61	108	142	443	209
New Jersey.....	-	1	-	4	-	-	3	16	19	28	144	47
Pennsylvania.....	-	3	-	7	2	3	30	24	54	35	127	277
EAST NORTH CENTRAL.....	-	49	-	35	1	2	61	51	117	123	597	1,420
Ohio.....	-	-	-	1	-	1	17	15	33	53	136	128
Indiana.....	-	6	-	10	-	-	7	5	12	9	100	105
Illinois.....	-	23	-	17	-	-	8	10	19	29	244	90
Michigan.....	-	6	-	5	1	-	28	20	48	31	75	341
Wisconsin.....	-	14	-	2	-	1	1	1	5	1	42	756
WEST NORTH CENTRAL.....	1	178	4	46	2	3	33	7	50	38	123	485
Minnesota.....	-	9	-	15	-	-	2	2	5	4	6	43
Iowa.....	1	133	-	1	-	-	6	2	8	5	43	385
Missouri.....	-	12	-	1	-	2	2	2	5	18	10	6
North Dakota.....	-	-	4	6	2	1	4	-	4	1	64	50
South Dakota.....	-	11	-	13	-	-	3	-	4	4	-	1
Nebraska.....	-	6	-	10	-	-	1	1	2	2	-	-
Kansas.....	-	7	-	-	-	-	15	-	22	4	NN	NN
SOUTH ATLANTIC.....	1	23	3	68	1	1	40	34	78	103	439	277
Delaware.....	-	-	-	-	-	-	-	4	4	5	10	9
Maryland.....	-	-	-	-	-	1	7	5	12	13	60	2
District of Columbia..	-	-	-	1	-	-	-	-	-	4	26	2
Virginia.....	1	12	1	1	-	-	1	6	7	18	90	47
West Virginia.....	-	-	-	1	-	-	13	7	24	18	204	148
North Carolina.....	-	5	-	5	1	-	13	5	18	27	12	17
South Carolina.....	-	-	-	17	-	-	-	2	2	4	19	1
Georgia.....	-	3	1	19	-	-	3	-	3	7	11	2
Florida.....	-	3	1	24	-	-	3	5	8	7	7	49
EAST SOUTH CENTRAL.....	-	14	-	22	-	1	30	8	47	97	413	94
Kentucky.....	-	3	-	-	-	-	11	4	24	34	298	31
Tennessee.....	-	6	-	3	-	-	15	2	17	38	98	56
Alabama.....	-	5	-	16	-	-	1	1	2	11	2	6
Mississippi.....	-	-	-	3	-	1	3	1	4	14	15	1
WEST SOUTH CENTRAL.....	-	37	14	69	3	3	25	26	51	59	182	131
Arkansas.....	-	9	1	4	-	-	3	4	7	4	1	8
Louisiana.....	-	8	-	33	-	-	5	7	12	5	1	-
Oklahoma.....	-	5	13	20	-	-	-	-	-	1	34	-
Texas.....	-	15	-	12	3	3	17	15	32	49	146	123
MOUNTAIN.....	1	10	-	5	1	-	14	8	51	57	260	355
Montana.....	-	-	-	-	1	-	2	1	3	23	128	25
Idaho.....	-	-	-	-	-	-	-	-	8	3	44	54
Wyoming.....	-	1	-	-	-	-	1	-	1	3	6	1
Colorado.....	-	-	-	3	-	-	2	-	15	9	6	93
New Mexico.....	1	1	-	2	-	-	7	6	13	4	NN	NN
Arizona.....	-	3	-	-	-	-	-	-	8	12	36	47
Utah.....	-	5	-	-	-	-	2	-	2	3	23	132
Nevada.....	-	-	-	-	-	-	-	1	1	-	17	3
PACIFIC.....	1	24	-	4	7	3	58	81	142	135	555	517
Washington.....	-	-	-	-	-	-	2	2	6	21	88	141
Oregon.....	-	3	-	-	-	-	6	8	14	15	117	60
California.....	1	19	-	4	7	3	46	71	117	86	273	220
Alaska.....	-	-	-	-	-	-	4	-	5	11	73	6
Hawaii.....	-	2	-	-	-	-	-	-	-	2	4	90
Puerto Rico.....	-	1	-	13	-	-	8	2	10	16	192	19

## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES - UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 14, 1963 AND DECEMBER 15, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals			
	50th wk.	Cumulative 50 weeks	50th week	50th week	50th wk.	50th wk.	50th wk.	50th wk.	Cumulative 50 weeks	50th week		Cumulative 50 weeks	
										50th	week		
													1963
1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1963	1962	1963	
UNITED STATES....	45	2,251	8,232	6,698	4	-	5	5	517	51	45	3,589	
NEW ENGLAND.....	1	131	572	578	-	-	-	-	13	-	-	32	
Maine.....	-	19	80	71	-	-	-	-	2	-	-	2	
New Hampshire.....	-	4	-	15	-	-	-	-	-	-	-	15	
Vermont.....	-	6	17	6	-	-	-	-	1	-	-	14	
Massachusetts.....	1	59	92	109	-	-	-	-	6	-	-	1	
Rhode Island.....	-	12	34	46	-	-	-	-	-	-	-	-	
Connecticut.....	-	31	349	331	-	-	-	-	4	-	-	-	
MIDDLE ATLANTIC.....	9	320	323	323	-	-	-	1	89	-	4	118	
New York.....	4	151	205	167	-	-	-	1	46	-	3	89	
New Jersey.....	2	50	61	73	-	-	-	-	6	-	-	-	
Pennsylvania.....	3	119	57	83	-	-	-	-	37	-	1	29	
EAST NORTH CENTRAL..	10	351	811	786	1	-	1	1	67	3	3	532	
Ohio.....	1	99	100	149	-	-	-	1	29	2	-	308	
Indiana.....	1	46	93	125	-	-	1	-	7	-	-	52	
Illinois.....	2	72	104	178	1	-	-	-	13	-	1	75	
Michigan.....	4	99	341	182	-	-	-	-	13	-	2	49	
Wisconsin.....	2	35	173	152	-	-	-	-	5	1	-	48	
WEST NORTH CENTRAL..	4	138	262	192	-	-	-	-	29	22	12	966	
Minnesota.....	-	28	24	15	-	-	-	-	3	11	6	266	
Iowa.....	-	7	65	60	-	-	-	-	3	9	2	334	
Missouri.....	2	41	48	13	-	-	-	-	19	2	1	174	
North Dakota.....	1	16	105	70	-	-	-	-	-	-	-	39	
South Dakota.....	-	7	10	2	-	-	-	-	1	-	3	98	
Nebraska.....	-	25	-	1	-	-	-	-	1	-	-	32	
Kansas.....	1	14	10	31	-	-	-	-	2	-	-	23	
SOUTH ATLANTIC.....	9	413	727	637	1	-	1	-	82	16	7	526	
Delaware.....	-	4	2	14	-	-	-	-	4	-	-	1	
Maryland.....	1	58	17	26	-	-	1	-	12	-	-	2	
Dist. of Columbia..	-	8	5	4	-	-	-	-	-	-	-	-	
Virginia.....	2	88	368	225	1	-	-	-	13	9	2	216	
West Virginia.....	2	23	200	147	-	-	-	-	7	-	2	114	
North Carolina.....	3	80	34	18	-	-	-	-	17	-	1	16	
South Carolina.....	1	24	39	50	-	-	-	-	9	-	-	10	
Georgia.....	-	34	12	-	-	-	-	-	2	3	1	85	
Florida.....	-	94	50	153	-	-	-	-	18	4	1	82	
EAST SOUTH CENTRAL..	1	150	1,708	1,066	2	-	1	2	71	5	5	276	
Kentucky.....	1	32	227	108	2	-	-	-	13	-	3	122	
Tennessee.....	-	70	1,338	905	-	-	1	2	31	5	2	134	
Alabama.....	-	25	13	16	-	-	-	-	11	-	-	20	
Mississippi.....	-	23	130	37	-	-	-	-	16	-	-	-	
WEST SOUTH CENTRAL..	1	203	908	670	-	-	-	-	86	2	8	670	
Arkansas.....	-	14	1	-	-	-	-	-	34	1	1	88	
Louisiana.....	-	81	6	11	-	-	-	-	26	1	-	50	
Oklahoma.....	-	35	40	5	-	-	-	-	6	-	-	59	
Texas.....	1	73	861	654	-	-	-	-	20	-	7	473	
MOUNTAIN.....	2	80	1,897	1,248	-	-	1	-	20	3	1	135	
Montana.....	-	3	78	54	-	-	-	-	1	-	-	-	
Idaho.....	-	6	90	104	-	-	-	-	-	-	-	-	
Wyoming.....	-	7	144	24	-	-	1	-	-	-	-	-	
Colorado.....	-	21	633	534	-	-	-	-	6	-	-	16	
New Mexico.....	1	5	517	236	-	-	-	-	6	1	-	41	
Arizona.....	1	13	187	165	-	-	-	-	7	2	1	64	
Utah.....	-	20	247	131	-	-	-	-	-	-	-	3	
Nevada.....	-	5	1	-	-	-	-	-	-	-	-	11	
PACIFIC.....	8	465	1,024	1,198	-	-	1	1	60	-	5	334	
Washington.....	-	40	160	357	-	-	-	-	3	-	-	-	
Oregon.....	1	34	30	31	-	-	-	-	2	-	-	13	
California.....	5	362	742	711	-	-	1	1	52	-	5	312	
Alaska.....	2	15	53	23	-	-	-	-	1	-	-	9	
Hawaii.....	-	14	39	76	-	-	-	-	2	-	-	-	
Puerto Rico.....	-	8	10	-	-	-	-	1	14	-	-	14	

## Morbidity and Mortality Weekly Report

427

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	11/23	11/30	12/7	12/14		11/23	11/30	12/7	12/14
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>				
Boston, Mass.....	5	2	4	8	Atlanta, Ga.....	4	2	7	8
Bridgeport, Conn.....	6	4	4	4	Baltimore, Md.....	3	10	8	5
Cambridge, Mass.....	-	-	3	-	Charlotte, N.C.....	1	1	-	3
Fall River, Mass.....	1	-	1	-	Jacksonville, Fla.....	3	-	3	6
Hartford, Conn.....	-	-	-	2 *	Miami, Fla.....	1	-	1	-
Lowell, Mass.....	6	7	2	1	Norfolk, Va.....	2	3	-	2
Lynn, Mass.....	1	4	-	4	Richmond, Va.....	-	2	1	-
New Bedford, Mass.....	-	-	-	2	Savannah, Ga.....	3	2	2	3
New Haven, Conn.....	1	-	-	-	St. Petersburg, Fla.....	2	3	1	10
Providence, R.I.....	1	1	2	-	Tampa, Fla.....	2	1	5	3
Somerville, Mass.....	3	1	2	1	Washington, D.C.....	10	7	12	6
Springfield, Mass.....	8	2	7	8	Wilmington, Del.....	2	3	1	7
Waterbury, Conn.....	-	-	-	-					
Worcester, Mass.....	3	2	2	7					
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N.Y.....	-	2	4	1	Birmingham, Ala.....	-	2	2	1
Allentown, Pa.....	-	2	1	4	Chattanooga, Tenn.....	3	2	4	4
Buffalo, N.Y.....	4	3	11	7	Knoxville, Tenn.....	1	-	-	1
Camden, N.J.....	2	3	2	3	Louisville, Ky.....	17	6	18	10
Elizabeth, N.J.....	3	-	3	2	Memphis, Tenn.....	10	4	3	2
Erie, Pa.....	3	-	3	2	Mobile, Ala.....	1	4	1	1
Jersey City, N.J.....	4	5	4	7	Montgomery, Ala.....	-	2	4	5
Newark, N.J.....	1	4	5	8	Nashville, Tenn.....	2	3	5	12
New York City, N.Y.....	59	55	51	58					
Paterson, N.J.....	3	5	1	1	<b>WEST SOUTH CENTRAL:</b>				
Philadelphia, Pa.....	15	10	16	7	Austin, Tex.....	3	6	5	9
Pittsburgh, Pa.....	5	-	8	8	Baton Rouge, La.....	1	2	2	1
Reading, Pa.....	3	1	6	1	Corpus Christi, Tex.....	-	-	-	2
Rochester, N.Y.....	7	13	5	11	Dallas, Tex.....	5	2	4	8
Schenectady, N.Y.....	1	1	1	1 *	El Paso, Tex.....	1	1	2	3
Scranton, Pa.....	1	2	1	3	Fort Worth, Tex.....	-	1	4	1
Syracuse, N.Y.....	1	1	3	1	Houston, Tex.....	2	2	1	6
Trenton, N.J.....	4	1	-	2	Little Rock, Ark.....	2	2	7	5
Utica, N.Y.....	-	-	1	2	New Orleans, La.....	4	2	5	4
Yonkers, N.Y.....	2	2	2	3	Oklahoma City, Okla.....	-	-	3	2
					San Antonio, Tex.....	4	3	7	5
					Shreveport, La.....	6	2	7	5
					Tulsa, Okla.....	3	2	7	7
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio.....	-	-	1	2	Albuquerque, N. Mex.....	2	3	1	2
Canton, Ohio.....	4	3	4	2	Colorado Springs, Colo...	4	1	1	2
Chicago, Ill.....	33	37	30	50	Denver, Colo.....	10	2	7	6
Cincinnati, Ohio.....	5	-	4	6	Ogden, Utah.....	1	3	-	1
Cleveland, Ohio.....	2	2	4	4	Phoenix, Ariz.....	2	3	11	10
Columbus, Ohio.....	6	2	4	5	Pueblo, Colo.....	2	2	2	-
Dayton, Ohio.....	2	2	6	1	Salt Lake City, Utah.....	-	1	1	1
Detroit, Mich.....	10	17	16	16	Tucson, Ariz.....	1	-	1	1
Evansville, Ind.....	2	2	1	2					
Flint, Mich.....	2	4	4	2	<b>PACIFIC:</b>				
Fort Wayne, Ind.....	6	1	4	4	Berkeley, Calif.....	1	-	-	-
Gary, Ind.....	4	6	2	5	Fresno, Calif.....	4	4	-	-
Grand Rapids, Mich.....	4	2	3	7	Glendale, Calif.....	-	-	-	*
Indianapolis, Ind.....	3	2	3	4	Honolulu, Hawaii.....	1	3	-	-
Madison, Wis.....	-	-	-	-	Long Beach, Calif.....	-	1	-	*
Milwaukee, Wis.....	2	1	4	2	Los Angeles, Calif.....	10	9	14	11 *
Peoria, Ill.....	3	-	2	-	Oakland, Calif.....	1	1	1	2
Rockford, Ill.....	1	2	3	4	Pasadena, Calif.....	-	2	-	-
South Bend, Ind.....	2	3	2	3	Portland, Oreg.....	4	-	5	7
Toledo, Ohio.....	4	3	4	6	Sacramento, Calif.....	3	1	1	2
Youngstown, Ohio.....	1	-	2	1	San Diego, Calif.....	3	4	1	3
					San Francisco, Calif.....	3	7	8	2
<b>WEST NORTH CENTRAL:</b>					San Jose, Calif.....	4	5	6	1
Des Moines, Iowa.....	4	1	1	2	Seattle, Wash.....	1	3	8	3
Duluth, Minn.....	-	-	-	1	Spokane, Wash.....	1	5	1	-
Kansas City, Kans.....	3	2	4	3	Tacoma, Wash.....	3	2	1	1 *
Kansas City, Mo.....	5	5	5	8					
Lincoln, Nebr.....	-	1	-	3					
Minneapolis, Minn.....	1	2	2	-					
Omaha, Nebr.....	3	4	2	3					
St. Louis, Mo.....	8	6	12	16					
St. Paul, Minn.....	4	6	4	6					
Wichita, Kans.....	6	6	4	5					
					San Juan, P.R.....	-	(---)	(---)	(---)

<sup>o</sup>Current Week Mortality for 108 Selected Cities

\*Estimate - based on average percent of divisional total.  
Totals for previous weeks include reported corrections.

4(A) Total Mortality, all ages..... 12,383  
4(B) Pneumonia-Influenza Deaths, all ages..... 504  
4(C) Total Deaths under 1 Year of Age..... 821  
4(D) Total Deaths, Persons 65 years and over..... 6,921

NOTE: All deaths by place of occurrence.

### Dengue Fever – Puerto Rico

During the week ended December 14, 1,278 cases of dengue-like illness were officially reported to the Puerto Rico Department of Health. This brings the 1963 total to 24,150 cases.

*(Reported by Rafael Timothee, M.D., Director, Preventive Medical Services, Puerto Rico Department of Health, and a team from the Communicable Disease Center.)*

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor  
 Morbidity and Mortality Weekly Report  
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 Atlanta, Georgia 30333

### INTERNATIONAL NOTES – QUARANTINE MEASURES

#### Dengue Fever – Jamaica

For the week ended November 30, 88 cases of dengue fever were officially reported in Jamaica. These cases bring the cumulative total to 1,326 thus far in 1963.

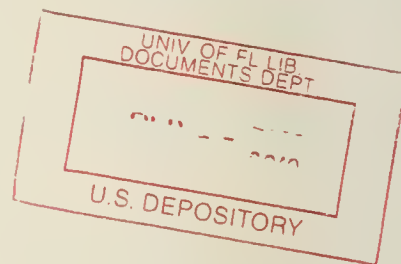
*(Reported by Dr. Ruth Puffer, Pan American Health Organization, Washington.)*

#### Poliomyelitis – Peru

A total of 274 cases of paralytic poliomyelitis were admitted to hospitals in Lima and Callao, Peru, during an epidemic which began in July and reached its peak in late September and early October.

According to the date of admission to the hospitals, 46 cases occurred in July, 60 in August, 72 in September, 96 in October, and 30 during the first half of November.

The 274 cases reported from July through October compare with 133 cases for the comparable period of 1962. *(Reported in Weekly Epidemiological Report, Pan American Sanitary Bureau, December 4, 1963.)*



U. S. DEPARTMENT OF  
 HEALTH, EDUCATION, AND WELFARE  
 PUBLIC HEALTH SERVICE  
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 Atlanta, Georgia 30333  
 Official Business

The Morbidity and Mortality Weekly Report, with a circulation of 10,500 is published by the Communicable Disease Center, Atlanta, Georgia.

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